

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A transfer display film comprised of stacked layers that are prepared on, cured or dried and lifted from a release surface and then transferred to a substrate, wherein said stacked layers comprise at least one liquid crystal dispersion layer comprising liquid crystal material dispersed in polymer, a first electrically conductive layer located near one side of said dispersion layer, ~~an electrical insulation layer located between and in contact with said first conductive layer and said dispersion layer,~~ a second electrically conductive layer located near the other side of said dispersion layer ~~[[,]]~~ and an electrical insulation layer located between and in contact with said dispersion layer and said first or second conductive layer.

Claim 2 (Previously Presented): A transfer display film according to claim 1 comprising a casting layer applied on or near the release surface on which other said layers of the display are prepared.

Claim 3 (Previously Presented): A transfer display film according to claim 1 wherein said plurality of stacked layers are stacked in a sequence comprising a casting layer, said first said electrically conductive layer, said dispersion layer, and said second said electrically conductive layer.

Claim 4 (Original): A transfer display film according to claim 3 wherein at least one of said first and second electrically conducting layers comprises a transparent electrical conductor formed of a conducting polymer or carbon nanotube material.

Claims 5-8, 11, 12, 14, 17, 20, 30, 31, 34, 35, 37-42, 44, 45, 49 and 50 (Cancel).

Claim 9 (Previously Presented): A transfer display film according to claim 3 wherein said dispersion layer comprises at least one of an emulsion, phase separation and microencapsulated liquid crystal material.

Claim 10 (Previously Presented): A transfer display film according to claim 1 wherein said liquid crystal comprises bistable cholesteric liquid crystal.

Claim 13 (Previously Presented): A transfer display film according to claim 3 comprising a light absorbing layer located between said casting layer and said dispersion layer.

Claim 15 (Previously Presented): A transfer display film according to claim 3 comprising a clear protective layer located over the second electrically conducting layer to ruggedize said transfer display film.

Claim 16 (Previously Presented): A liquid crystal display comprising the transfer display film according to claim 15 further comprising said substrate attached to said transfer display film near said casting layer.

Claim 18 (Previously Presented): A transfer display film according to claim 1 comprising an outer adhesive layer.

Claim 19 (Previously Presented): A transfer display film according to claim 1 wherein the at least one said dispersion layer comprises at least one bistable cholesteric liquid crystal reflective of visible or infrared electromagnetic radiation.

Claim 21 (Previously Presented): A transfer display film according to claim 19 comprising a transparent electrically conductive layer located between adjacent said dispersion layers.

Claim 22 (Previously Presented): A transfer display film according to claim 1 wherein said dispersion layer comprises left and right hand twist cholesteric materials, separated to prevent mixing.

Claim 23 (Previously Presented): A transfer display film according to claim 22 wherein said dispersion layer comprises one sublayer including said left hand twist cholesteric material and another sublayer comprising said right hand twist cholesteric material.

Claim 24 (Previously Presented): A transfer display film according to claim 19 wherein the at least one said dispersion layer comprises one said dispersion layer reflective of red light, another said dispersion layer reflective of blue light and another said dispersion layer reflective of green light and electrically conductive layers are disposed between said dispersion layers.

Claim 25 (Previously Presented): A transfer display film according to claim 1 wherein said dispersion layer is patterned with red, green and blue pixels.

Claim 26 (Previously Presented): A liquid crystal display device comprising the transfer display film and said substrate of claim 1 and driving circuitry connected to said electrically conductive layers.

Claim 27 (Original): A liquid crystal display device according to claim 26 wherein said substrate is a solar panel effective to provide a self-powering display.

Claim 28 (Previously Presented): A liquid crystal display device according to claim 26 wherein said substrate comprises a photoconductive sheet and said first electrically conductive layer adapted to enable said liquid crystal layer to be driven by impinging light onto said display film while applying voltage to said second electrically conductive layer and said first electrically conductive layer.

Claim 29 (Previously Presented): A liquid crystal display device according to claim 26 wherein said

substrate comprises an active matrix device.

Claim 32 (Previously Presented): A liquid crystal display device comprising the transfer display film and the substrate of claim 1, wherein said substrate comprises one of said electrically conductive layers, further comprising driving circuitry connected to said electrically conductive layers.

Claim 33 (Previously Presented): A liquid crystal display device according to claim 26, wherein one of said first electrically conductive layer and said second electrically conductive layer contains parallel strips of row conductors and the other of said first electrically conductive layer and said second electrically conductive layer contains parallel strips of column conductors.

Claim 36 (Previously Presented): A transfer display film according to claim 26 comprising an outer layer of adhesive.

Claim 43 (Previously Presented): A lift-off display film comprising stacked layers that are prepared on, cured or dried and then lifted from a release surface, wherein said stacked layers comprise at least one liquid crystal dispersion layer comprising liquid crystal material dispersed in polymer, a first electrically conductive layer located near one side of said dispersion layer, ~~an electrical insulation layer disposed between and in contact with said first conductive layer and said dispersion layer,~~ a second electrically conductive layer located near the other side of said dispersion layer and an electrical insulation layer disposed between and in contact with said dispersion layer and said first or second conductive layer.

Claim 46 (Previously Presented): A lift-off display film according to claim 43 wherein said dispersion layer comprises at least one of an emulsion, phase separation and microencapsulated liquid crystal material.

Claim 47 (Previously Presented): A lift-off display film according to claim 43 wherein said liquid crystal comprises bistable cholesteric liquid crystal.

Claim 48 (Previously Presented): A lift-off display film according to claim 43 comprising a clear protective layer located over at least one of said first electrically conductive layer and said second electrically conductive layer that ruggedizes said lift-off display film.

Claim 51 (Previously Presented): A lift-off display film according to claim 43 comprising a stack of said dispersion layers each reflective of visible or infrared electromagnetic radiation.

Claim 52 (Previously Presented): A lift-off display film according to claim 51 further comprising a transparent electrically conductive layer located between adjacent said dispersion layers.

Claim 53 (Previously Presented): A lift-off display film according to claim 52 wherein said stack of layers comprises one said dispersion layer reflective of red light, another said dispersion layer reflective of blue light and another said dispersion layer reflective of green light.

Claim 54 (Previously Presented): A lift-off display film according to claim 47 wherein one of said first electrically conductive layer and said second electrically conductive layer comprises parallel row electrode strips and the other of said first electrically conductive layer and said second electrically conductive layer comprises parallel column electrode strips.

Claim 55 (Previously Presented): A lift-off display film according to claim 43 comprising at least one additional dispersion layer.

Claim 56 (Previously Presented): A lift-off display film according to claim 55 comprising an electrically conductive layer disposed between dispersion layers.

Claim 57 (Previously Presented): A transfer display film according to claim 3 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, wherein said protective layer is optically opaque and said layers are transferred to a transparent said substrate with said casting layer nearest to said substrate to operate as a reflective display.

Claim 58 (Previously Presented): A transfer display film according to claim 1 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, said preparation layer being an adhesive layer or serving to hold an adhesive overcoat, wherein said display film is transferred to said substrate with said preparation layer adjacent said substrate to operate as a reflective display.

Claim 59 (Previously Presented): A transfer display film according to claim 3 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, wherein said protective layer is optically clear and said film is transferred to said substrate with said casting layer nearest said substrate to operate as a reflective display, wherein said casting layer is coated, printed or laminated over an adhesive layer that lifts off said release surface with said casting layer.

Claim 60 (New): A display film comprising a stacked sequence of layers prepared on a release liner and lifted off as a freestanding film or for transfer to a substrate, wherein each of the layers are coated, printed or laminated on said release liner in the sequence of a casting layer, lower conducting electrode, dispersion layer of liquid crystal dispersed in polymer, and upper conducting electrode, said display film being operable as an electrically addressable display when connected to drive electronic circuitry.

Claim 61 (New): The display film of claim 60 wherein said liquid crystal is cholesteric liquid crystal.

Claim 62 (New): The display film of claim 60 wherein at least one of said lower conducting electrode

and said upper conducting electrode is a transparent conductor.

Claim 63 (New): The display film of claim 62 wherein the at least one of said lower conducting electrode and said upper conducting electrode is a conducting polymer or carbon nanotube material printed or coated and patterned to form a desired electrode configuration.

Claim 64 (New): The display film of claim 60 wherein an insulation layer is coated, printed or laminated over said lower conducting electrode.

Claim 65 (New): The display film of claim 60 wherein an insulation layer is coated, printed or laminated over said upper conducting electrode.

Claim 66 (New): The display film of claim 60 wherein an optical layer is coated over said casting layer to adjust optical properties of said display film.

Claim 67 (New): The display film of claim 60 wherein a protective layer is coated over said upper conducting electrode.

Claim 68 (New): The display film of claim 67 wherein said protective layer is optically clear and said display film is transferred to said substrate with said casting layer nearest to said substrate to operate as a reflective display.

Claim 69 (New): The display film of claim 68 wherein said casting layer is coated, printed or laminated over an adhesive layer that lifts off said release liner with said casting layer.

Claim 70 (New): The display film of claim 68 wherein said substrate is a fabric material of natural or synthetic fibers.

Claim 71 (New): The display film of claim 67 wherein said protective layer is optically opaque and said display film is transferred to a transparent substrate with said casting layer nearest to said substrate to operate as a reflective display.

Claim 72 (New): The display film of claim 60 wherein a preparation layer is coated over said upper conducting electrodes, said preparation layer being an adhesive layer or serving to hold an adhesive overcoat, said display film being transferred to said substrate with said preparation layer adjacent said substrate to operate as a reflective display.

Claim 73 (New): The display film of claim 60 wherein said dispersion layer is a stack of sublayers of cholesteric liquid crystal dispersions each reflective at a different wavelength and each separated with a transparent conducting electrode.

Claim 74 (New): The display film of claim 73 wherein said stack of sublayers of said cholesteric liquid crystal dispersions comprises one sublayer reflective in red, another sublayer reflective in blue and another sublayer reflective in green.

Claim 75 (New): The display film of claim 73 wherein at least one of said cholesteric sublayers is reflective in infrared.

Claim 76 (New): The display film of claim 60 wherein said dispersion layer is made up of left and right hand twist cholesteric materials, separated to prevent mixing.

Claim 77 (New): The display film of claim 76 wherein said dispersion layer is a double coating, one of left and the other of right hand twisted cholesteric materials.

Claim 78 (New): The display film of claim 60 wherein said display film is laminated on a solar panel to provide a self-powering display.

Claim 79 (New): A transfer display film comprising a stacked sequence of layers comprising at least one conducting electrode layer and a cholesteric dispersion layer prepared on a release liner and lifted off for transfer to a substrate containing a photovoltaic and a conducting layer, said display film and said substrate together being operable as an optically addressable electronic display when connected to drive electronic circuitry.

Claim 80 (New): A transfer display film comprising a stacked sequence of layers comprising at least one conducting electrode layer and a cholesteric dispersion layer prepared on a release liner and lifted off for transfer to a substrate that is an active matrix backplane, said display film and said substrate together being operable as an actively driven electronic display when connected to drive electronic circuitry.

Claim 81 (New): A transfer display film comprising a stacked sequence of layers comprising at least one conducting electrode layer and a cholesteric dispersion layer prepared on a release liner and lifted off for transfer to a substrate that contains either row or column electrodes, said display film and said substrate together being operable as a passively driven reflective electronic display when connected to drive electronic circuitry.